## CLAIMS

What is claimed is:

1.    A method for processing a database query on a set of data in a database management
system, the method comprising the steps of:

    a)    utilizing a query processor to call a data manager and request the return of
data from the set of data;

    b)    allowing the data manager to locate query-specified data and make a
determination regarding the query-specified data;

    c)    utilizing the data manager to write the query-specified data to a buffer based
on the determination; and

    d)    utilizing the query processor to retrieve the query-specified data from the
buffer.

2.    The method of claim 1 wherein the determination involves determining whether the
query-specified data is to be ignored, consumed, or returned to the query processor.

3.    The method of claim 2 wherein the determination is that the query-specified data is
to be returned to the query processor.

4.    The method of claim 3 wherein the set of data is stored on a plurality of pages and
step b) further comprises:

    b1)    locating a page containing query-specified data;

4        b2)    stabilizing the page; and

5        b3)    accessing the page.

1    5.    The method of claim 4 wherein step c) further comprises:

2        c1)    maintaining the stabilization of the page, while the data manager writes all

3    the query-specified data on the page to the buffer.

1    6.    A system for processing a database query on a set of data in a database management

2    system, the system comprising:

3        a data manager;

4        a query processor comprising means to call the data manager and request the return

5    of data from the set of data;

6        means for allowing the data manager to locate query-specified data and make a

7    determination regarding the query-specified data;

8        means for utilizing the data manager to write the query-specified data to a buffer the

9    data manager to write the query-specified data to a buffer based on the determination; and

10        means for utilizing the query processor to retrieve the query-specified data from the

11    buffer.

1    7.    The system of claim 6 wherein the determination involves determining whether the

2    query-specified data is to be ignored, consumed, or returned to the query processor.

1    8.    The system of claim 7 wherein the determination is that the query-specified data is to

2    be returned to the query processor.

1    9.    The system of claim 8 wherein the set of data is stored on a plurality of pages and the

2    means for allowing the data manager to locate query-specified data further comprises:

3         means for locating a page containing query-specified data;

4         means for stabilizing the page; and

5         means for accessing the page.

1    10.    The system of claim 9 wherein the means for utilizing the data manager to write the

2    query-specified data to a buffer further comprises:

3         means for maintaining the stabilization of the page, while the data manager writes all

4    the query-specified data on the page to the buffer.

1    11.    A computer readable medium containing program instructions for processing a

2    database query on a set of data in a database management system, the program instructions

3    comprising the steps of:

4         a)    utilizing a query processor to call a data manager and request the return of

5    data from the set of data;

6         b)    allowing the data manager to locate query-specified data and make a

7    determination regarding the query-specified data;

8         c)    utilizing the data manager to write the query-specified data to a buffer based

9    on the determination; and

10         d)    utilizing the query processor to retrieve the query-specified data from the

11    buffer. buffer.

1    12.    The computer readable medium of claim 11 wherein the determination involves

2    determining whether the query-specified data is to be ignored, consumed, or returned to the

3    query processor.


1    13.    The computer readable medium of claim 12 wherein the determination is that the

2    query-specified data is to be returned to the query processor.


1    14.    The computer readable medium of claim 13 wherein the set of data is stored on a

2    plurality of pages and step b) further comprises:

3        b1)    locating a page containing query-specified data;

4        b2)    stabilizing the page; and

5        b3)    accessing the page.


    15.    The computer readable medium of claim 14 wherein step c) further comprises:

    c1)    maintaining the stabilization of the page, while the data manager writes all

3    the query-specified data on the page to the buffer.